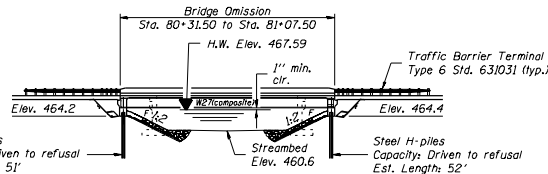


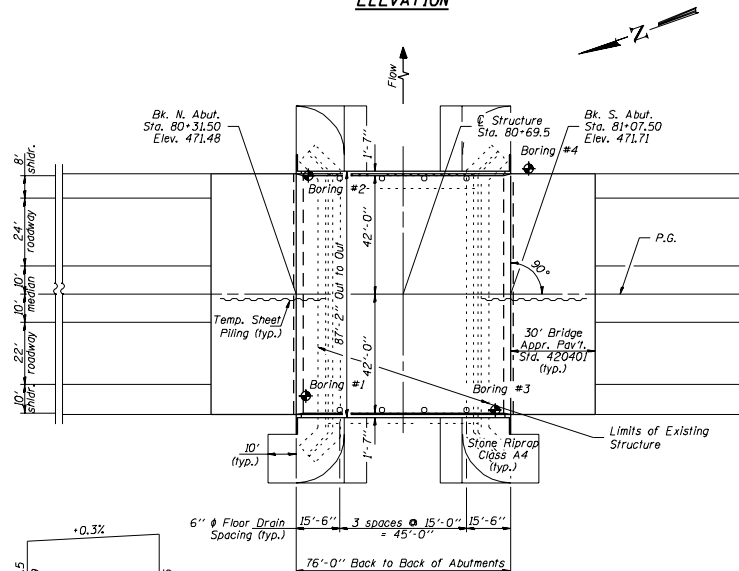
Bench Mark: USGS brass disk located on N.E. Abut. Elevation = 469.91

Existing Structure: S.N. 072-0017 Built as SBI Rte. 29, Section 10B in 1937 and widened in 1954. A single span R.C. "T" beam superstructure on closed abutments, 55'-0" back to back abutment and 87'-5" out to out. Existing structure to be removed and replaced utilizing stage construction.

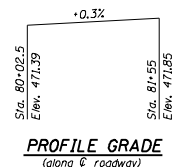
No salvage



ELEVATION



PLAN

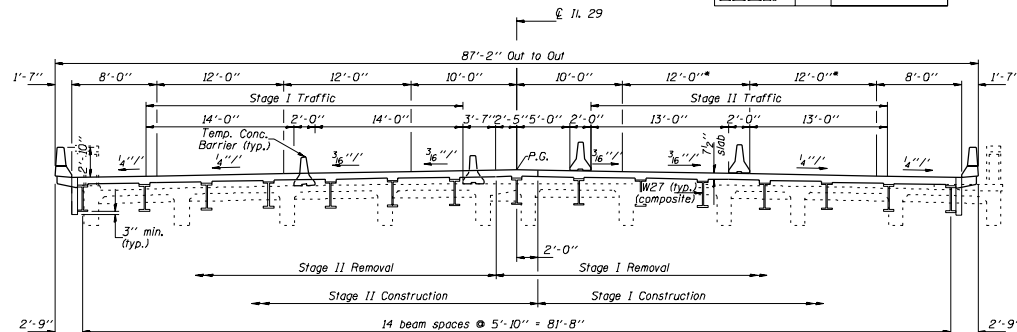


PROFILE GRADE
(along E roadway)

DESIGNED	T.A. Craven
CHECKED	J.A. Uehle
DRAWN	W.D. Collins
CHECKED	A. Sludyla

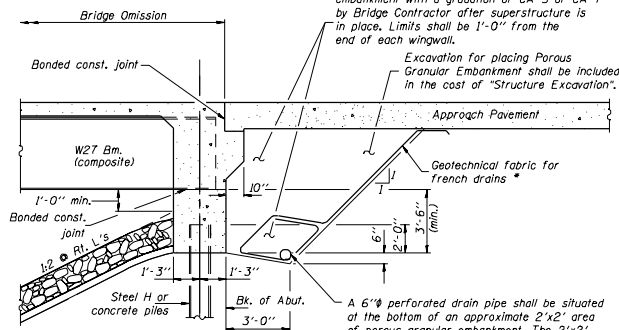
20
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



CROSS SECTION
(Looking South)

**APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS
MAR 19 2001**



HIGHWAY CLASSIFICATION

F.A.P. Rte. 64 - IL Rte. 29
Functional Class: Other Principal Arterial
ADT: 14,600 (1999); 17,815 (2019)
DHV: 1825
Posted Speeds: 55 m.p.h.

LOADING HS20

Allow 50 #/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998 & 1999 Interims

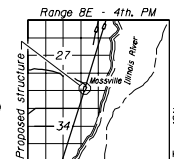
DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (AASHTO M270 Grade 50)

SEISMIC DATA

Seismic Performance Category (SPC) - A
Bedrock Acceleration Coefficient (A_s) = 0.041g
Site Coefficient (S) = 1.2

SECTION THRU INTEGRAL ABUTMENT



LOCATION SKETCH

*Future lane widths. Stripe for 11' lanes & 10' shoulder.

Backfill with uncompacted porous granular embankment with a gradation of CA-5 or CA-7 by Bridge Contractor after superstructure is in place. Limits shall be 1'-0" from the end of each wingwall.

Excavation for placing Porous Granular Embankment shall be included in the cost of "Structure Excavation".

A 6" perforated drain pipe shall be situated at the bottom of an approximate 2'x2' area of porous granular embankment. The 2'x2' area shall be wrapped completely in geotextile fabric for French drains. Extend pipe parallel with the cap until intersecting with the sideslope and riprap.*

* - Included in the cost of "Porous Granular Embankment".

GENERAL PLAN
ILLINOIS ROUTE 29 OVER
ILLINOIS RIVER TRIBUTARY
F.A.P. ROUTE 64 - SECTION (10B)BR
PEORIA COUNTY
STATION 80+69.5
STRUCTURE NO. 072-0198